

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Applicant: Jun KITAKADO

Title: ADAPTIVE ARRAY WIRELESS  
COMMUNICATION APPARATUS,  
RECEPTION LEVEL DISPLAY METHOD,  
RECEPTION LEVEL ADJUSTING  
METHOD, RECEPTION LEVEL DISPLAY  
PROGRAM AND RECEPTION LEVEL  
ADJUSTING PROGRAM

Appl. No.: Unassigned

Filing Date: 3/16/2005

Examiner: Unassigned

Art Unit: Unassigned

**INFORMATION DISCLOSURE STATEMENT**  
**UNDER 37 CFR §1.56**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

Submitted herewith on Form PTO/SB/08 is a listing of documents known to Applicant in order to comply with Applicant's duty of disclosure pursuant to 37 CFR §1.56.

A copy of each non-U.S. patent document and each non-patent document is being submitted to comply with the provisions of 37 CFR §1.97 and §1.98.

The submission of any document herewith, which is not a statutory bar, is not intended as an admission that such document constitutes prior art against the claims of the present application or that such document is considered material to patentability as defined in 37 CFR §1.56(b). Applicant does not waive any rights to take any action which would be appropriate to antedate or otherwise remove as a competent reference any document which is determined to be a *prima facie* art reference against the claims of the present application.

**TIMING OF THE DISCLOSURE**

The listed documents are being submitted in compliance with 37 CFR §1.97(b), within three (3) months of the filing date of the application.

**RELEVANCE OF EACH DOCUMENT**

Any document listed on the attached PTO/SB/08 is either discussed in the specification or was cited as being relevant during the prosecution of the corresponding International application. A copy of the International Search Report is attached setting forth the portion of each document considered relevant by the examiner. An English-language counterpart of the foreign-language documents has been provided where readily available. English language abstracts are provided for those Japanese patents having no English language counterpart. The absence of a full English translation or an English-language counterpart document does not relieve the PTO from its duty to consider any submitted document (37 CFR §1.98 and MPEP§609).

Applicant respectfully requests that each listed document be considered by the Examiner and be made of record in the present application and that an initialed copy of Form PTO/SB/08 be returned in accordance with MPEP §609.

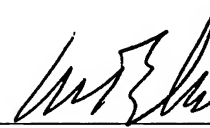
The Commissioner is hereby authorized to charge any additional fees which may be required regarding this application under 37 CFR §§ 1.16-1.17, or credit any overpayment, to Deposit Account No. 19-0741. Should no proper payment be enclosed herewith, as by a check being in the wrong amount, unsigned, post-dated, otherwise improper or informal or even entirely missing, the Commissioner is authorized to charge the unpaid amount to Deposit Account No. 19-0741.

Respectfully submitted,

Date March 16, 2005

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By



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Substitute for form 1449B/PTO

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

Date Submitted: March 16, 2005

(use as many sheets as necessary)

Complete if Known 10/528097

Application Number	Unassigned
Filing Date	3/16/2005
First Named Inventor	Jun KITAKADO
Group Art Unit	Unassigned
Examiner Name	Unassigned
Attorney Docket Number	038440-0121

Sheet 1 of 1

**U.S. PATENT DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code <sup>2</sup> (if known)			
	A1	2002-0128007	A1	T. MIYATANI	09/12/2002	
	A2	2001-0043156	A1	T. MATSUI et al.	11/22/2001	

**FOREIGN PATENT DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document			Name of Patentee or Applicant of Cited Documents	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>
		Office <sup>3</sup>	Number <sup>4</sup>	Kind Code <sup>5</sup> (if known)				
	A3	JP	04-068622		H. YANAGISAWA	03/04/1992		A
	A4	JP	08-321799		M. YUKIMATSU et al.	12/03/1996		A
	A5	JP	08-097759		M. MIZUSAWA et al.	04/12/1996		A
	A6	JP	11-234197		M. KITAHARA et al.	08/27/1999		A
	A7	JP	2001-320310		T. MATSUI et al.	11/16/2001		A
	A8	JP	2002-261668		T. MIYATANI	09/13/2002		A

**NON PATENT LITERATURE DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.) date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>6</sup>
	A9	K. NOBUYOSHI; "Adaptive Signal Processing by Array Antenna," Kagaku Gijutsu Shuppan, Chapter 3: MMSE Adaptive Array, November 25, 1998, pp. 35-49.	

Examiner  
SignatureDate  
Considered

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Unique citation designation number. <sup>2</sup> See attached Kinds of U.S. Patent Documents. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document.

<sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

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